

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=27; hr=11; min=54; sec=57; ms=562;]

=====

Application No: 10534081 Version No: 1.0

Input Set:**Output Set:**

Started: 2008-08-23 06:09:18.527
Finished: 2008-08-23 06:09:20.489
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 962 ms
Total Warnings: 16
Total Errors: 0
No. of SeqIDs Defined: 26
Actual SeqID Count: 26

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)
W 213	Artificial or Unknown found in <213> in SEQ ID (24)
W 213	Artificial or Unknown found in <213> in SEQ ID (25)
W 213	Artificial or Unknown found in <213> in SEQ ID (26)

SEQUENCE LISTING

<110> FUKATSU, KOHJI
SASAKI, SHINOBU
HINUMA, SHUJI
ITO, YASUAKI
SUZUKI, NOBUHIRO
HARADA, MASATAKA
YASUMA, TSUNEO

<120> RECEPTOR FUNCTION REGULATOR

<130> 66530(46590)

<140> 10534081
<141> 2008-08-23

<150> PCT/JP2003/014139
<151> 2003-11-06

<150> JP 2003-153986
<151> 2003-05-30

<150> JP 2003-16889
<151> 2003-01-27

<150> JP 2002-324632
<151> 2002-11-08

<160> 26

<170> PatentIn Ver. 3.3

<210> 1
<211> 300
<212> PRT
<213> Mus musculus

<400> 1

Met	Asp	Leu	Pro	Pro	Gln	Leu	Ser	Phe	Ala	Leu	Tyr	Val	Ser	Ala	Phe
1				5					10					15	
Ala	Leu	Gly	Phe	Pro	Leu	Asn	Leu	Leu	Ala	Ile	Arg	Gly	Ala	Val	Ser
			20					25					30		
His	Ala	Lys	Leu	Arg	Leu	Thr	Pro	Ser	Leu	Val	Tyr	Thr	Leu	His	Leu
		35					40					45			
Gly	Cys	Ser	Asp	Leu	Leu	Leu	Ala	Ile	Thr	Leu	Pro	Leu	Lys	Ala	Val
	50					55					60				
Glu	Ala	Leu	Ala	Ser	Gly	Ala	Trp	Pro	Leu	Pro	Leu	Pro	Phe	Cys	Pro
65					70				75						80
Val	Phe	Ala	Leu	Ala	His	Phe	Ala	Pro	Leu	Tyr	Ala	Gly	Gly	Gly	Phe
				85					90					95	

Leu Ala Ala Leu Ser Ala Gly Arg Tyr Leu Gly Ala Ala Phe Pro Phe
100 105 110

Gly Tyr Gln Ala Ile Arg Arg Pro Arg Tyr Ser Trp Gly Val Cys Val
115 120 125

Ala Ile Trp Ala Leu Val Leu Cys His Leu Gly Leu Ala Leu Gly Leu
130 135 140

Glu Thr Ser Gly Ser Trp Leu Asp Asn Ser Thr Ser Ser Leu Gly Ile
145 150 155 160

Asn Ile Pro Val Asn Gly Ser Pro Val Cys Leu Glu Ala Trp Asp Pro
165 170 175

Asp Ser Ala Arg Pro Ala Arg Leu Ser Phe Ser Ile Leu Leu Phe Phe
180 185 190

Leu Pro Leu Val Ile Thr Ala Phe Cys Tyr Val Gly Cys Leu Arg Ala
195 200 205

Leu Val Arg Ser Gly Leu Ser His Lys Arg Lys Leu Arg Ala Ala Trp
210 215 220

Val Ala Gly Gly Ala Leu Leu Thr Leu Leu Leu Cys Leu Gly Pro Tyr
225 230 235 240

Asn Ala Ser Asn Val Ala Ser Phe Ile Asn Pro Asp Leu Gly Gly Ser
245 250 255

Trp Arg Lys Leu Gly Leu Ile Thr Gly Ala Trp Ser Val Val Leu Asn
260 265 270

Pro Leu Val Thr Gly Tyr Leu Gly Thr Gly Pro Gly Arg Gly Thr Ile
275 280 285

Cys Val Thr Arg Thr Gln Arg Gly Thr Ile Gln Lys
290 295 300

<210> 2

<211> 900

<212> DNA

<213> Mus musculus

<400> 2

atggacctgc cccacagct ctcttcgct ctctatgtat ctgcctttgc gctgggcttt 60
ccattgaact tgtagccat ccgaggcgca gtgtccacg ctaaactgcg actcactccc 120
agcttggtct acactctcca tctgggctgc tctgatctcc tactggccat cactctgccc 180
ctgaaggctg tggaggccct ggcttctgga gcctggcccc tgccgctccc cttctgccc 240
gtctttgcct tggcccactt tgctcccctc tacgcaggcg gaggcttcct agctgctctc 300
agcgctggcc gctacctggg ggetgccttc cccttcgggt accaagccat ccggaggccc 360
cgctattcct ggggtgtgtg tgtggctata tgggcccttg tcctctgcca cctggggctg 420
gcccttggtc tggagacttc cggaagctgg ctggacaaca gtaccagttc cctgggcatc 480
aacatacccg tgaatggctc cccggtctgc ctggaagcct gggatcccga ctctgcccgc 540
cctgcccgtc tcagtttctc cattctgctc ttctttctgc ccttggtcat cactgccttc 600

tgctatgtgg gctgcctccg ggccttggtg cgctcaggcc tgagccacaa acggaagctc 660
agggcagctt ggggtggccgg aggcgctctc ctcacactcc tgctctgcct ggggccctat 720
aatgcctcca atgtggctag tttcataaac ccggacctag gaggctcctg gaggaagttg 780
ggactcatca caggggcctg gagtgtggta ctcaaccac tggtcactgg ctacttggga 840
acaggtcctg gacggggaac aatatgtgtg acgaggactc aaagaggaac aattcagaag 900

<210> 3
<211> 300
<212> PRT
<213> Rattus norvegicus

<400> 3
Met Asp Leu Pro Pro Gln Leu Ser Phe Ala Leu Tyr Val Ser Ala Phe
1 5 10 15

Ala Leu Gly Phe Pro Leu Asn Leu Leu Ala Ile Arg Gly Ala Val Ser
20 25 30

His Ala Lys Leu Arg Leu Thr Pro Ser Leu Val Tyr Thr Leu His Leu
35 40 45

Ala Cys Ser Asp Leu Leu Leu Ala Ile Thr Leu Pro Leu Lys Ala Val
50 55 60

Glu Ala Leu Ala Ser Gly Val Trp Pro Leu Pro Leu Pro Phe Cys Pro
65 70 75 80

Val Phe Ala Leu Ala His Phe Ala Pro Leu Tyr Ala Gly Gly Gly Phe
85 90 95

Leu Ala Ala Leu Ser Ala Gly Arg Tyr Leu Gly Ala Ala Phe Pro Phe
100 105 110

Gly Tyr Gln Ala Ile Arg Arg Pro Cys Tyr Ser Trp Gly Val Cys Val
115 120 125

Ala Ile Trp Ala Leu Val Leu Cys His Leu Gly Leu Ala Leu Gly Leu
130 135 140

Glu Ala Pro Arg Gly Trp Val Asp Asn Thr Thr Ser Ser Leu Gly Ile
145 150 155 160

Asn Ile Pro Val Asn Gly Ser Pro Val Cys Leu Glu Ala Trp Asp Pro
165 170 175

Asp Ser Ala Arg Pro Ala Arg Leu Ser Phe Ser Ile Leu Leu Phe Phe
180 185 190

Leu Pro Leu Val Ile Thr Ala Phe Cys Tyr Val Gly Cys Leu Arg Ala
195 200 205

Leu Val His Ser Gly Leu Ser His Lys Arg Lys Leu Arg Ala Ala Trp
210 215 220

Val Ala Gly Gly Ala Leu Leu Thr Leu Leu Leu Cys Leu Gly Pro Tyr
225 230 235 240

Asn Ala Ser Asn Val Ala Ser Phe Ile Asn Pro Asp Leu Glu Gly Ser
245 250 255

Trp Arg Lys Leu Gly Leu Ile Thr Gly Ala Trp Ser Val Val Leu Asn
260 265 270

Pro Leu Val Thr Gly Tyr Leu Gly Thr Gly Pro Gly Gln Gly Thr Ile
275 280 285

Cys Val Thr Arg Thr Pro Arg Gly Thr Ile Gln Lys
290 295 300

<210> 4
<211> 900
<212> DNA
<213> Rattus norvegicus

<400> 4
atggacctgc cccacagct ctccttcgct ctctatgtat cagcctttgc actaggcttt 60
ccattgaact tgtagccat ccgaggtgca gtgtcccacg cgaaactgcg actcaccccc 120
agcttggtct acactctcca tttggcctgc tctgacctcc tactggccat caccctgccc 180
ctgaaggctg tggaggccct ggcttctggg gtctggcccc tgcactccc cttctgcccc 240
gtctttgcct tggcccactt tgcgcccctc tatgcagggtg gaggttcct ggctgctctc 300
agtgtggcc gctacctggg agctgccttc ccctttggat accaagccat ccggaggccc 360
tgctattcct ggggtgtgtg tgtggctata tgggcccttg tcctttgcca cctgggactg 420
gctcttggct tggaggctcc cagaggctgg gtggataaca ccaccagttc cctgggcatc 480
aacatacccg tgaatggctc cccggtctgc ctggaagcgt gggatcctga ctctgcccgc 540
cctgcccgac tcagtttctc gattctgctc ttctttctgc ccttggttat cactgctttc 600
tgctatgtgg gctgcctccg ggccctgggtg cactcggggc tgagccacaa acggaagctc 660
agggcagctt ggggtggctgg aggagcactt ctcacactcc tgctctgcct ggggccctat 720
aatgcttcca atgtggctag tttcataaac ccggacttag aaggctcctg gaggaagttg 780
gggctcatca caggagcctg gagtgtgggtg ctcaaccac tggtcactgg ctacttggga 840
acaggtcctg gacaggggac aatatgtgtg accaggactc caagagggac aattcagaag 900

<210> 5
<211> 300
<212> PRT
<213> Homo sapiens

<400> 5
Met Asp Leu Pro Pro Gln Leu Ser Phe Gly Leu Tyr Val Ala Ala Phe
1 5 10 15

Ala Leu Gly Phe Pro Leu Asn Val Leu Ala Ile Arg Gly Ala Thr Ala
20 25 30

His Ala Arg Leu Arg Leu Thr Pro Ser Leu Val Tyr Ala Leu Asn Leu
35 40 45

Gly Cys Ser Asp Leu Leu Leu Thr Val Ser Leu Pro Leu Lys Ala Val
50 55 60

Glu Ala Leu Ala Ser Gly Ala Trp Pro Leu Pro Ala Ser Leu Cys Pro
65 70 75 80

Val Phe Ala Val Ala His Phe Phe Pro Leu Tyr Ala Gly Gly Gly Phe
85 90 95

Leu Ala Ala Leu Ser Ala Gly Arg Tyr Leu Gly Ala Ala Phe Pro Leu
100 105 110

Gly Tyr Gln Ala Phe Arg Arg Pro Cys Tyr Ser Trp Gly Val Cys Ala
115 120 125

Ala Ile Trp Ala Leu Val Leu Cys His Leu Gly Leu Val Phe Gly Leu
130 135 140

Glu Ala Pro Gly Gly Trp Leu Asp His Ser Asn Thr Ser Leu Gly Ile
145 150 155 160

Asn Thr Pro Val Asn Gly Ser Pro Val Cys Leu Glu Ala Trp Asp Pro
165 170 175

Ala Ser Ala Gly Pro Ala Arg Phe Ser Leu Ser Leu Leu Leu Phe Phe
180 185 190

Leu Pro Leu Ala Ile Thr Ala Phe Cys Tyr Val Gly Cys Leu Arg Ala
195 200 205

Leu Ala Arg Ser Gly Leu Thr His Arg Arg Lys Leu Arg Ala Ala Trp
210 215 220

Val Ala Gly Gly Ala Leu Leu Thr Leu Leu Leu Cys Val Gly Pro Tyr
225 230 235 240

Asn Ala Ser Asn Val Ala Ser Phe Leu Tyr Pro Asn Leu Gly Gly Ser
245 250 255

Trp Arg Lys Leu Gly Leu Ile Thr Gly Ala Trp Ser Val Val Leu Asn
260 265 270

Pro Leu Val Thr Gly Tyr Leu Gly Arg Gly Pro Gly Leu Lys Thr Val
275 280 285

Cys Ala Ala Arg Thr Gln Gly Gly Lys Ser Gln Lys
290 295 300

<210> 6
<211> 900
<212> DNA
<213> Homo sapiens

<400> 6
atggacctgc ccccgacagct ctcttcgggc ctctatgtgg ccgcctttgc gctgggcttc 60
ccgctcaacg tcctggccat ccgaggcgcg acggcccacg cccggctccg tctcaccct 120
agcctggtct acgccttgaa cctgggctgc tccgacctgc tgctgacagt ctctctgccc 180
ctgaaggcgg tggaggcgct agcctccggg gcctggcctc tgccggcctc gctgtgcccc 240
gtcttcgcgg tggcccactt cttcccactc tatgccggcg ggggcttcct ggccgccctg 300
agtgcaggcc gctacctggg agcagccttc cccttgggct accaagcctt ccggaggccg 360
tgctattcct ggggggtgtg cgcggccatc tgggcctcgc tcctgtgtca cctgggtctg 420

gtctttgggt tggaggctcc aggaggctgg ctggaccaca gcaacacctc cctgggcatc 480
aacacaccgg tcaacggctc tccgggtctgc ctggaggcct gggacccggc ctctgccggc 540
ccggcccgtc tcagcctctc tctcctgctc ttttttctgc ccttggccat cacagccttc 600
tgctacgtgg gctgcctccg ggcactggcc cgctccggcc tgacgcacag gcggaagctg 660
cgggcccgtc ggggtggccg cggggccctc ctcacgctgc tgctctgcgt aggaccctac 720
aacgcctcca acgtggccag cttcctgtac cccaatctag gaggtcctg gcggaagctg 780
gggctcatca cgggtgcctg gagtgtgggtg cttaatccgc tggtgaccgg ttacttggga 840
aggggtcctg gcctgaagac agtgtgtgcg gcaagaacgc aagggggcaa gtcccagaag 900

<210> 7
<211> 300
<212> PRT
<213> Macaca fascicularis

<400> 7
Met Asp Leu Pro Pro Gln Leu Ser Phe Ala Leu Tyr Val Ala Ala Phe
1 5 10 15
Ala Leu Gly Phe Pro Leu Asn Val Leu Ala Ile Arg Gly Ala Arg Ala
20 25 30
His Ala Arg Arg Arg Leu Thr Pro Ser Leu Val Tyr Ala Leu Asn Leu
35 40 45
Gly Cys Ser Asp Leu Leu Leu Thr Val Ser Leu Pro Leu Lys Ala Val
50 55 60
Glu Ala Leu Ala Ser Gly Ala Trp Pro Leu Pro Ala Ser Leu Cys Pro
65 70 75 80
Val Phe Gly Val Ala His Phe Ala Pro Leu Tyr Ala Gly Gly Gly Phe
85 90 95
Leu Ala Ala Leu Ser Ala Gly Arg Tyr Leu Gly Ala Ala Phe Pro Leu
100 105 110
Gly Tyr Gln Ala Phe Arg Arg Pro Cys Tyr Ser Trp Gly Val Cys Ala
115 120 125
Ala Ile Trp Ala Leu Val Leu Cys His Leu Gly Leu Val Phe Val Leu
130 135 140
Glu Ala Pro Gly Gly Trp Leu Asp His Ser Asn Thr Ser Leu Gly Ile
145 150 155 160
Asn Thr Pro Val Asn Gly Ser Pro Val Cys Leu Glu Ala Trp Asp Pro
165 170 175
Ala Ser Ala Gly Pro Ala Arg Phe Ser Leu Ser Leu Leu Phe Phe
180 185 190
Leu Pro Leu Ala Ile Thr Ala Phe Cys Tyr Val Gly Cys Leu Arg Ala
195 200 205
Leu Ala His Ser Gly Leu Thr His Arg Arg Lys Leu Arg Ala Ala Trp
210 215 220

Val Ala Gly Gly Ala Leu Leu Thr Leu Leu Leu Cys Val Gly Pro Tyr
225 230 235 240

Asn Ala Ser Asn Val Ala Ser Phe Leu Asn Pro Asn Leu Gly Gly Ser
245 250 255

Trp Arg Lys Leu Gly Leu Ile Thr Gly Ala Trp Ser Val Val Leu Asn
260 265 270

Pro Leu Val Thr Gly Tyr Leu Gly Arg Gly Pro Gly Leu Lys Thr Val
275 280 285

Cys Ala Ala Arg Thr Gln Gly Ser Thr Ser Gln Lys
290 295 300

<210> 8
<211> 900
<212> DNA
<213> Macaca fascicularis

<400> 8
atggacctgc ccccgacagct ctccctttgcc ctctatgtgg cggcctttgc gctgggcttc 60
ccgctcaacg tcctggccat ccgaggggcg agggcccacg cccggcgccg tctcaccccc 120
agcctgggtct acgccctgaa cctgggctgc tccgacctgt tgctgacagt ctccctgccc 180
ctgaaggcgg tggaggcgct ggccctccggg gcctggcctc tgccggcctc actgtgccct 240
gtcttcgggg tggcccactt tgctccactc tatgccggcg ggggcttcct ggccgccctg 300
agtgcaggcc gctacctggg agcggccttc cccttgggct accaagcctt ccggaggccg 360
tgctattcct gggggggtgtg tgcggccatc tgggccctcg tctgtgtca cctgggtctg 420
gtctttgtgt tggaggctcc gggaggctgg ctggaccaca gcaacacctc actgggcatc 480
aacacaccgg tcaacggctc tcccgtctgc ctggaggcct gggacccggc ctctgccggc 540
ccggcccgct tcagcctctc tctcctgctt tttttcctgc ctttggccat cacagccttc 600
tgctacgtgg gctgcctccg ggcactggcc cactccggcc tgaccacacag gcggaagctg 660
agggccgcct gggtagccgg cggggccctc ctcacgctgc tgctctgcgt aggaccctac 720
aacgcctcca atgtggccag ctttctgaac cccaatctgg gaggtcctg gcggaagctg 780
gggctcatca cgggtgcctg gagtgtggtg ctcaaccgcg tggtgaccgg ttacttggga 840
aggggtcctg gcctgaagac agtgtgtgcg gcaagaacgc aagggagcac gtcccagaag 900

<210> 9
<211> 300
<212> PRT
<213> Mesocricetus auratus

<400> 9
Met Ala Leu Ser Pro Gln Leu Phe Phe Ala Leu Tyr Val Ser Ala Phe
1 5 10 15

Ala Leu Gly Phe Pro Leu Asn Leu Leu Ala Ile Arg Gly Ala Val Ala
20 25 30

Arg Ala Arg Leu Arg Leu Thr Pro Asn Leu Val Tyr Thr Leu His Leu
35 40 45

Ala Cys Ser Asp Leu Leu Leu Ala Ile Thr Leu Pro Val Lys Ala Val
50 55 60

Glu 65	Ala	Leu	Ala	Ser	Gly 70	Ala	Trp	Pro	Leu	Pro 75	Leu	Pro	Leu	Cys	Pro 80
Val	Phe	Val	Leu	Val 85	His	Phe	Ala	Pro	Leu 90	Tyr	Ala	Gly	Gly	Gly 95	Phe
Leu	Ala	Ala	Leu	Ser 100	Ala	Gly	Arg	Tyr 105	Leu	Gly	Ala	Ala	Phe	Pro 110	Phe
Gly	Tyr	Gln 115	Ala	Val	Arg	Arg	Pro 120	Arg	Tyr	Ser	Trp	Gly 125	Val	Cys	Val
Ala 130	Ile	Trp	Ala	Leu	Val	Leu 135	Cys	His	Met	Gly	Leu 140	Val	Leu	Gly	Leu
Glu 145	Ala	Pro	Gly	Gly	Trp 150	Leu	Asn	Thr	Thr	Ser 155	Ser	Ser	Leu	Gly	Ile 160
Asn	Thr	Pro	Val	Asn 165	Gly	Ser	Pro	Val	Cys 170	Leu	Glu	Ala	Trp	Asp 175	Pro
Asn	Ser	Ala	Arg 180	Pro	Ala	Arg	Leu	Ser 185	Phe	Ser	Ile	Leu	Leu 190	Phe	Phe
Val	Pro	Leu 195	Val	Ile	Thr	Ala	Phe	Cys 200	Tyr	Val	Gly	Cys 205	Leu	Arg	Ala
Leu 210	Ala	His	Ser	Gly	Leu	Ser 215	His	Lys	Arg	Lys	Leu 220	Arg	Ala	Ala	Trp
Ala 225	Ala	Gly	Gly	Ala	Phe 230	Leu	Thr	Leu	Leu	Leu 235	Cys	Leu	Gly	Pro	Tyr 240
Asn	Ala	Ser	Asn 245	Val	Ala	Ser	Phe	Val	Asn 250	Pro	Asp	Leu	Gly	Gly 255	Ser
Trp	Arg	Lys	Leu 260	Gly	Leu	Ile	Thr	Gly	Ser	Trp	Ser	Val	Val	Leu	Asn